

Material Safety Data Sheet



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1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY / UNDERTAKING

Commercial Product Name and ID-No.:

5-Carboxyfluorescein Azide (5-FAM Azide)– mi-C1004

Company: metabion international AG
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Centre for detoxification:

2. CHEMICAL CHARACTERISATION / INFORMATION ON CONSTITUENTS

Formula: $C_{24}H_{18}N_4O_6$

MW: 458.43 g/mol

Purity: > 95 %

Description: orange solid

TLV units: Unknown

3. HAZARDS IDENTIFICATION

Hazardous description: No data available

Information concerning particular hazards for human and environment: No data available

Classification system: None

4. FIRST AID MEASURES

Avoid all direct contact.

Always contact physician.

Inhalation: Local exhaust is usually sufficient.

After contact with skin: Flush thoroughly with water.

After contact with eyes: Flush thoroughly with water.

After ingestion: Contact physician.

Never induce vomiting or give liquids to someone who is unconscious or cannot swallow.

5. FIRE-FIGHTING MEASURES

Prevention of fire and explosion: A finely divided dust aerosol may be explosive although the exact conditions of the hazard are unknown. Avoid dispersing dust.

Fire and explosion hazards: A finely divided dust aerosol may be explosive although the exact conditions of the hazard are unknown.

Flash Point: Not available

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Means of extinguishing: Use material suitable and appropriate to surrounding fire conditions.

Extinguishing media: Dry chemical, CO₂, H₂O, foam

Fire fighting procedures: Use material suitable and appropriate to surrounding fire conditions.

6. ACCIDENTAL RELEASE MEASURES

Avoid all direct contact.

Respiratory protection: A dust mask is recommended when a possibility of dust inhalation exists. Local exhaust is usually sufficient.

Protective gloves: Impermeable

Eye protection: Laboratory safety glasses

Other protective equipment: Normal laboratory apparel

Measures for environmental protection: Not necessary

Measures for cleaning/collection if a spill occurs: First sweep up the bulk of the material. Finish by wiping with a damp towel.

7. HANDLING AND STORAGE

Handling:

Information for safe handling: Avoid all direct contact. Handle using standard laboratory practices.

Information about fire: Not available

Storage:

Requirements to be met by storerooms and receptacles: No further requirements

Information about storage in one common storage facility: Not required

Further information about storage conditions: Freezer storage, -10 to -30°C, dry

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Additional information about design of technical facilities: No further requirements, see item 7.

Ingredients with limit values that require monitoring in the workplace: No ingredients need monitoring.

Personal protective equipment: The usual precautionary measures are to be adhered to when handling chemicals.

Respiratory protection: Local exhaust is usually sufficient. A dust mask is recommended when a possibility of dust inhalation exists.

Protection of hands: Impermeable gloves

Eye protection: Laboratory safety glasses

9. PHYSICAL AND CHEMICAL PROPERTIES

Form and color: orange solid

Odor: None

Melting point / range: Undetermined

Boiling point / range: Decomposes

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Flash point: Not available
Self-igniting: Not available
Danger of explosion: Not available
Solubility: DMSO, DMF, MeCN

10. STABILITY AND REACTIVITY

Thermal decomposition/condition to be avoided: No decomposition if used according to specifications.
Dangerous reactions: Avoid strong oxidants.
Dangerous decomposition: Toxic oxides of nitrogen may evolve when heated to decomposition.

11. TOXICOLOGICAL INFORMATION

Threshold limit value: No data available
Overexposure effects: No data available
Acute toxicity: No data available
On the skin: No data available
On the eye: No data available
Sensitization: No data available
Additional toxicological information: This product should be handled with the usual care when dealing with chemicals.

12. ECOLOGICAL INFORMATION

General notes: No data available

13. DISPOSAL CONSIDERATIONS

Product:

Recommendation: Dispose of as a special waste in compliance with official regulations.

Unclean packaging:

Recommendation: Dispose of in compliance with official regulations.

Recommended cleaning agents: First sweep up the bulk of the material. Finish by wiping with a damp towel.

Waste disposal: Dispose of waste according to nature of waste solid, solution in solvent, others. Dispose of waste according to the local legislation.

14. TRANSPORT INFORMATION

Land transport ADR/RID (cross-border)

ADR/RID class: Not a dangerous substance as defined in the regulations.

Maritime transport IMDG

IMDG class: Not a dangerous substance as defined in the regulations.

Maritime pollutant: No

Air transport ICAO-TI and IATA-DGR

ICAO/IATA class: Not a dangerous substance as defined in the regulations.

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15. REGULATORY INFORMATION

Note: The toxicological properties of this material have not yet been thoroughly investigated. Use prudent laboratory practices for handling chemical substances of unknown toxicity.

16. OTHER INFORMATION

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